

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petl.Ltd.**

225 N. Market #300
Wichita KS 67202

ORIGINAL

ATTN: Flip Phillips

16-33s-6w Harper KS

Truby B#1

Start Date: 2001.05.14 @ 11:51:46

End Date: 2001.05.14 @ 19:41:15

Job Ticket #: 14051

DST #: 1

RECEIVED

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KCC WICHITA

Trilobite Testing, Inc

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TESTING, INC.

DRILL STEM TEST REPORT

Pintail Pet. Ltd.

225 N. Market #300
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Truby B#1

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Job Ticket: 14051

DST#: 1

Test Start: 2001.05.14 @ 11:51:46

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 13:46:45

Time Test Ended: 19:41:15

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **13**

Interval: **4424.00 ft (KB) To 4440.00 ft (KB) (TVD)**

Total Depth: **4440.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1332.00 ft (KB)**

1327.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **2342** Inside

Press@RunDepth: **47.49 psig @ 4425.00 ft (KB)**

Start Date: **2001.05.14**

End Date: **2001.05.14**

Start Time: **11:51:46**

End Time: **19:41:15**

Capacity: **7000.00 psig**

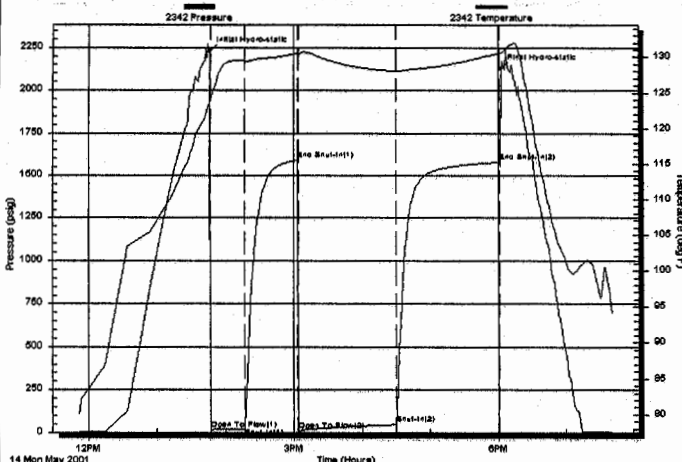
Last Calib.: **2001.01.04**

Time On Btm: **2001.05.14 @ 13:45:45**

Time Off Btm: **2001.05.14 @ 18:02:45**

TEST COMMENT: IF: Strong blow. B.O.B. in 1 min.
IS: No blow.
FF: Strong blow. GTS in 1.5 mins. (see gas volume report)
FS: No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.92	123.62	Initial Hydro-static
1	15.77	124.09	Open To Flow (1)
31	19.55	129.44	Shut-In(1)
77	1589.42	130.49	End Shut-In(1)
78	10.73	130.46	Open To Flow (2)
165	47.49	128.01	Shut-In(2)
256	1579.60	130.54	End Shut-In(2)
257	2126.89	130.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Gas in all fluid free pipe.	0.00
20.00	SGCM	0.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	20.00	12.88
Max. Gas Rate	0.13	20.00	12.88



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TOOL DIAGRAM

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Job Ticket: 14051

DST#: 1

Test Start: 2001.05.14 @ 11:51:46

Tool Information

Drill Pipe:	Length:	4173.00 ft	Diameter:	3.80 inches	Volume:	58.54 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	Weight to Pull Loose:	64000.00 lb
					Total Volume:	59.72 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight: Initial	56000.00 lb
Depth to Top Packer:		4424.00 ft					Final	56000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		16.00 ft						
Tool Length:		36.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4405.00		
S.I. Tool	5.00			4410.00		
HMV	5.00			4415.00		
Packer	4.00			4419.00	20.00	Bottom Of Top Packer
Packer	5.00			4424.00		
Stubb	1.00			4425.00		
Recorder	0.00	2342	Inside	4425.00		
Perforations	10.00			4435.00		
Recorder	0.00	10248	Outside	4435.00		
Bullnose	5.00			4440.00	16.00	Bottom Packers & Anchor
Total Tool Length:	36.00					



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FLUID SUMMARY

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Job Ticket: 14051

DST#: 1

ATTN: Flip Phillips

Test Start: 2001.05.14 @ 11:51:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

6000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	Gas in all fluid free pipe.	0.000
20.00	SGCM	0.098

Total Length:

20.00 ft

Total Volume:

0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

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Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	25	0.13	2.00	6.14
2	25	0.13	2.00	6.14
2	30	0.13	4.00	6.89
2	40	0.13	7.00	8.01
2	50	0.13	10.00	9.13
2	60	0.13	13.00	10.26
2	70	0.13	15.00	11.00
2	90	0.13	20.00	12.88

Pressure vs. Time

